

SEQUENCE HOMOLOGY BETWEEN FACTOR IX
Gla DOMAINS FROM VARIOUS SPECIES

	10	20	30	40
human	Y N S G K L E E F V Q G N L E R E C M E E K C S F E E A R E E V F E N T E R T T E F W K			
canine	Y N S G K L E E F V R G N L E R E C I E E K C S F E E A R E E V F E N T E K T T E F W K			
murine	Y N S G K L E E F V R G N L E R E C I E E R C S F E E A R E E V F E N T E K T T E F W K			
rabbit	Y N S G K L E E F V S G N L E R E C I E E R C S F E E A R E E V F E N T E K T T E F W K			

FIG. 1A

SEQUENCE HOMOLOGY BETWEEN
Gla DOMAINS OF VARIOUS HUMAN COAGULATION PROTEINS

	10	20	30	40
factor IX	Y N S G K L E E F V Q G N L E R E C M E E K C S F E E A R E E V F E N T E R T T E F W K			
factor X	A - M K K H	T Y	D S D K N	N
factor VII	A A - L R P S	K Q	I K D A K L	I
Protein C	A - L R H S S	I I D	K I Q V D D L A	S
Prothromb.	A T - V R K	V T Y	F A L S S T A D V	A

FIG. 1B

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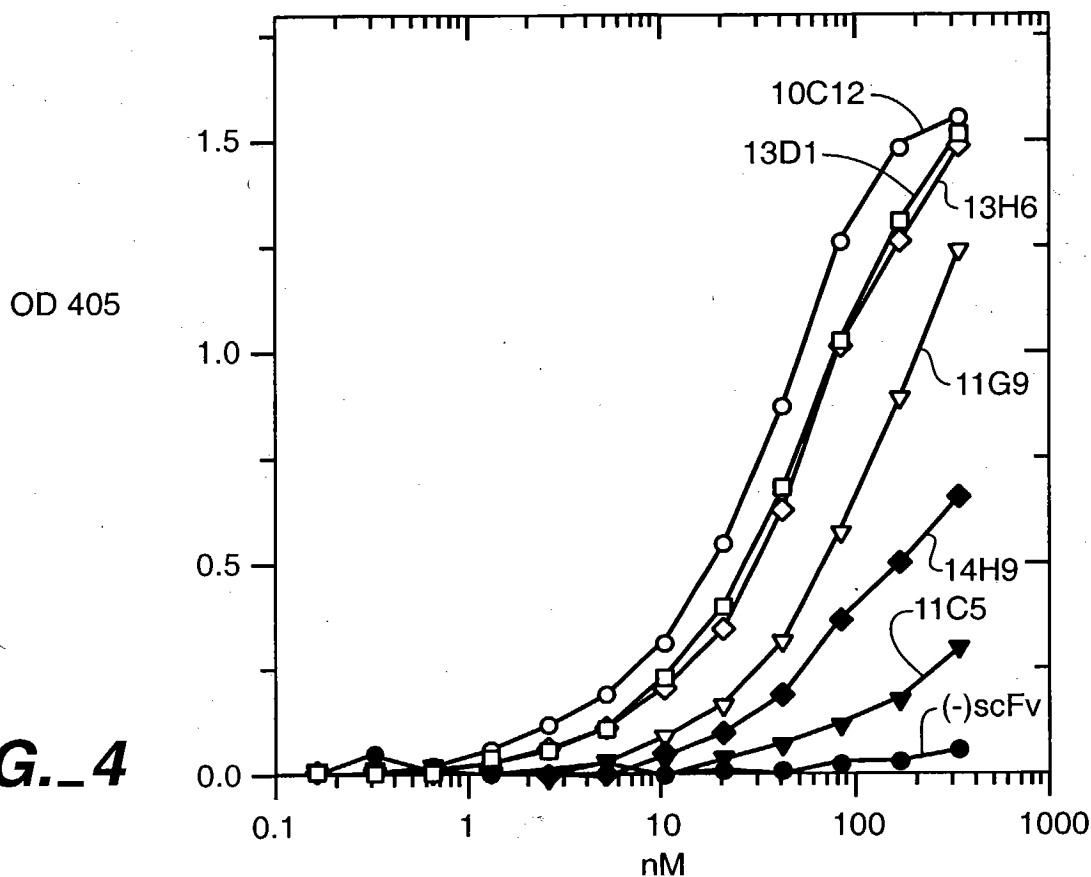
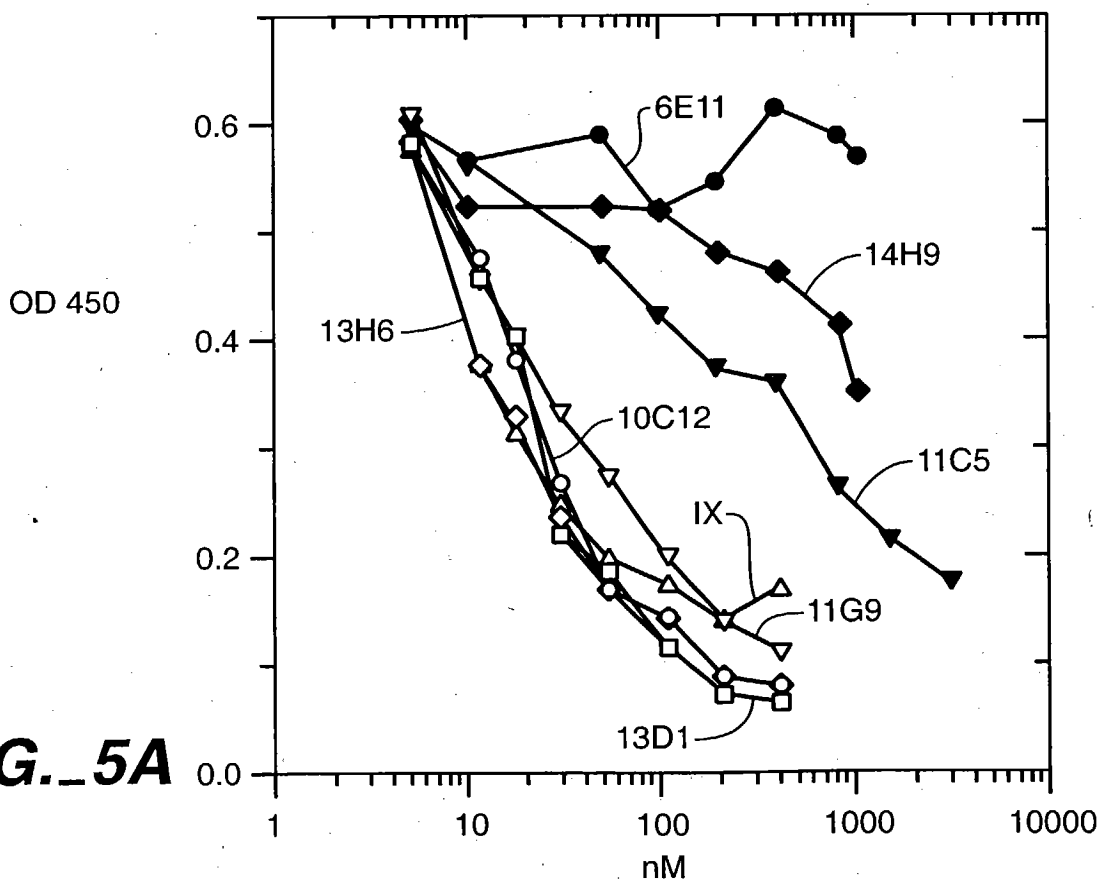
CLONE #	HEAVY CHAINS				LIGHT CHAINS			
	Family	CDR1	CDR2	CDR3	Family	CDR1	CDR2	CDR3
10C12	VH3	TYAMH	IISYDGSKKYYADSVKG	ASIAAARVLDY	Vλ1	SGSTSNIGNNNYVS	DVSKRPS	AAWDDSLS-EFL
11C5	VH3	TYAMH	VISYDGSNKYYADSVKG	SDYGGN-LGEF	Vλ1	SGSTSNIGNNNYVS	DVSKRPS	AAWDDSLS-EFL
11G9	VH3	TYAMH	IISYDGSNKYYADSVKG	ASIAAGRVL DY	Vλ1	SGSTSNIGNNNYVS	DVSKRPS	AAWDDSLS-EFL
13D1	VH3	TYAMH	IISYDGSKKYYADSVKS	ASIAAARVLDY	Vλ1	SGSTSNIGNNNYVS	DVSKRPS	AAWDDSLS-EFL
13H6	VH3	SYAMH	VISHDGGKKEYADSVRG	AAYTAATIADN	Vλ1	TGSSR---DVDVS	EVSKRPS	SSYGGSN--NVV
14H9	VH3	DYAMH	TISPSGRSTYNADSVKG	RGIGYKGGFDV	Vλ1	SGGRSNIGSNTVK	GNDQRPS	QSYDSSLRGSRV

FIG..2F(ab')₂

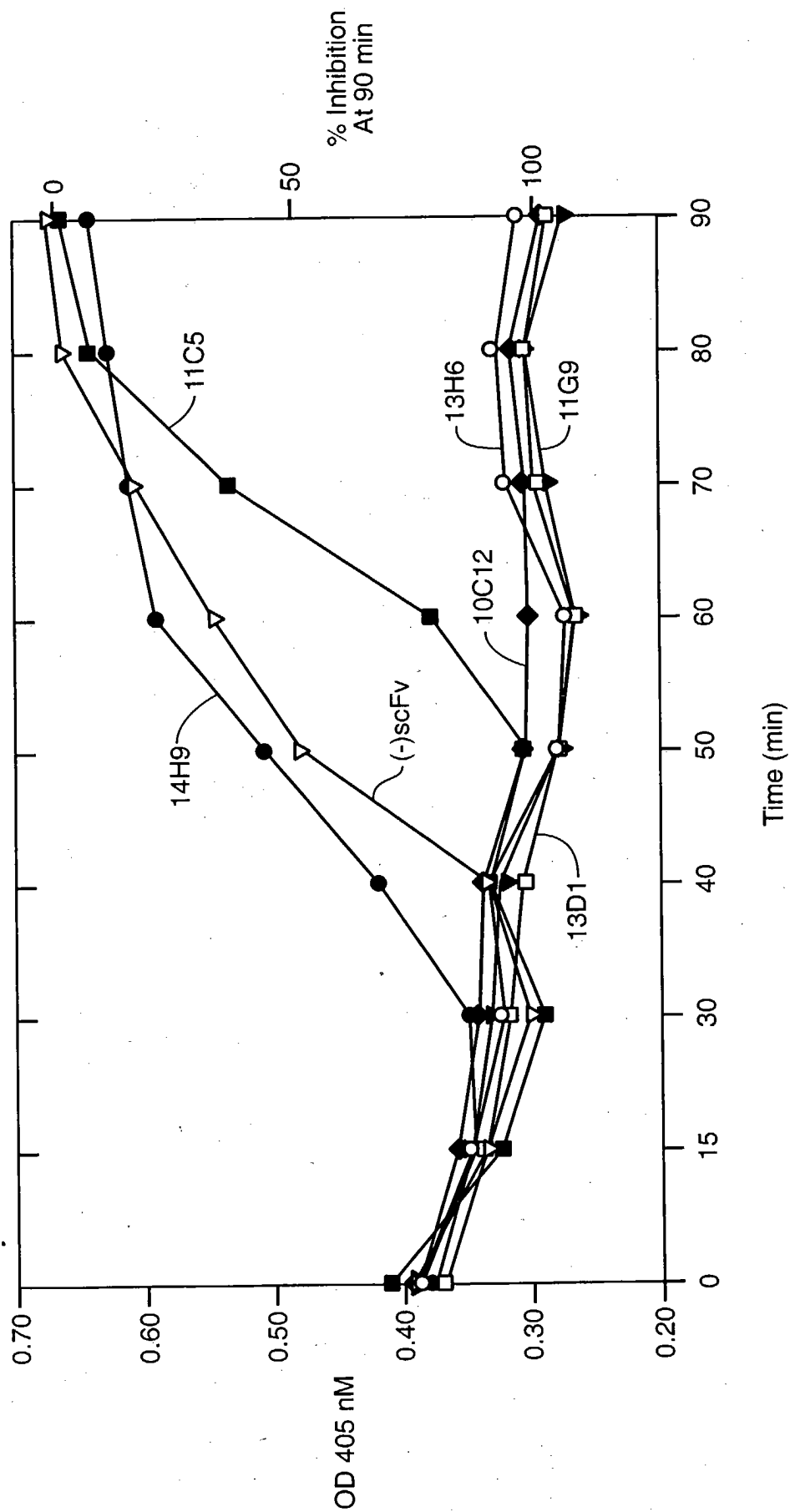
CLONE #	CONCENTRATION (μ M)	AFFINITY
10C12	0.8	1.6 nM
13D1	0.73	2.9 nM
13H6	1.1	0.46 nM
14H9	1.9	ND

FIG..3

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FIG._4**FIG._5A**

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**FIG. 5B**

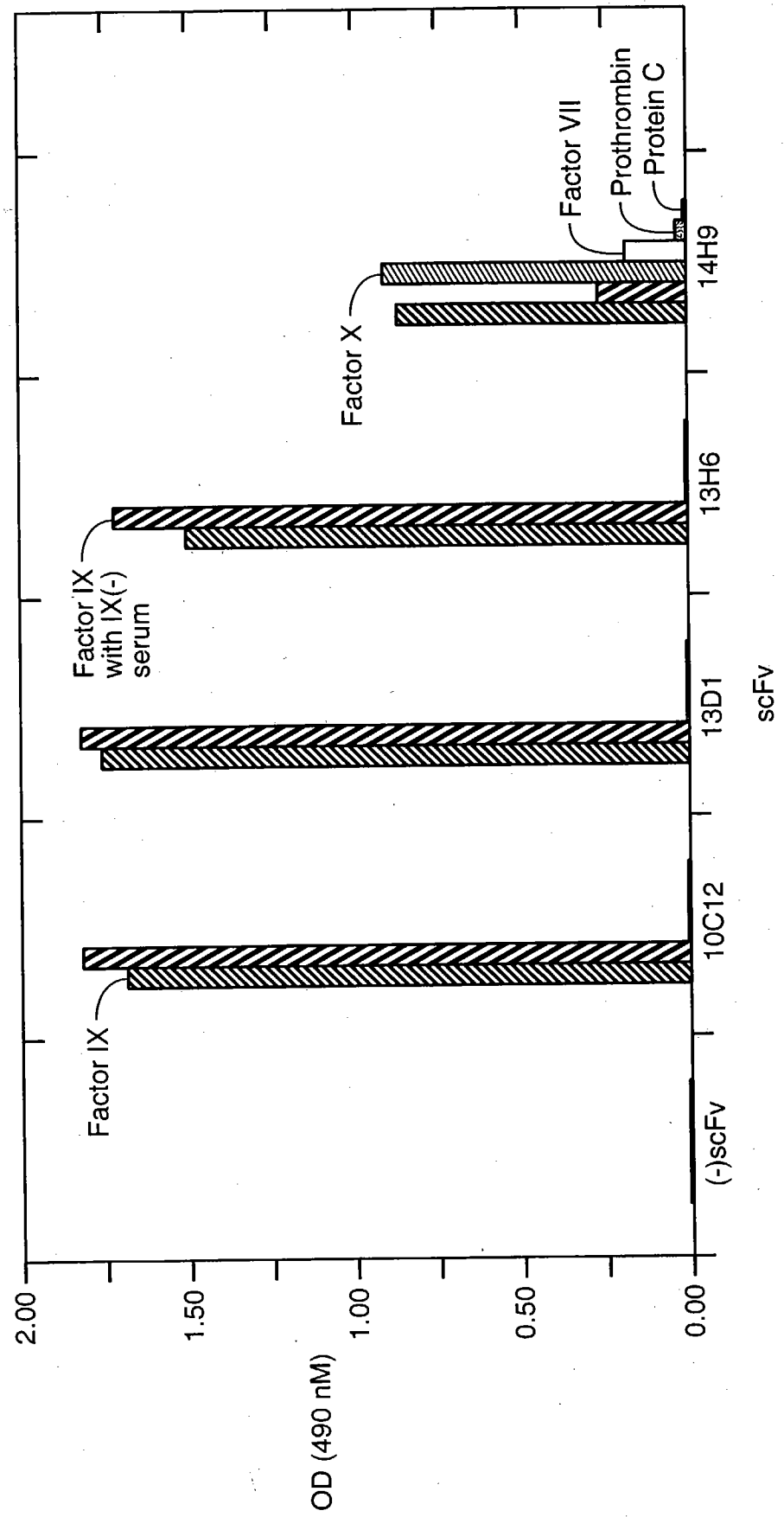


FIG._6A

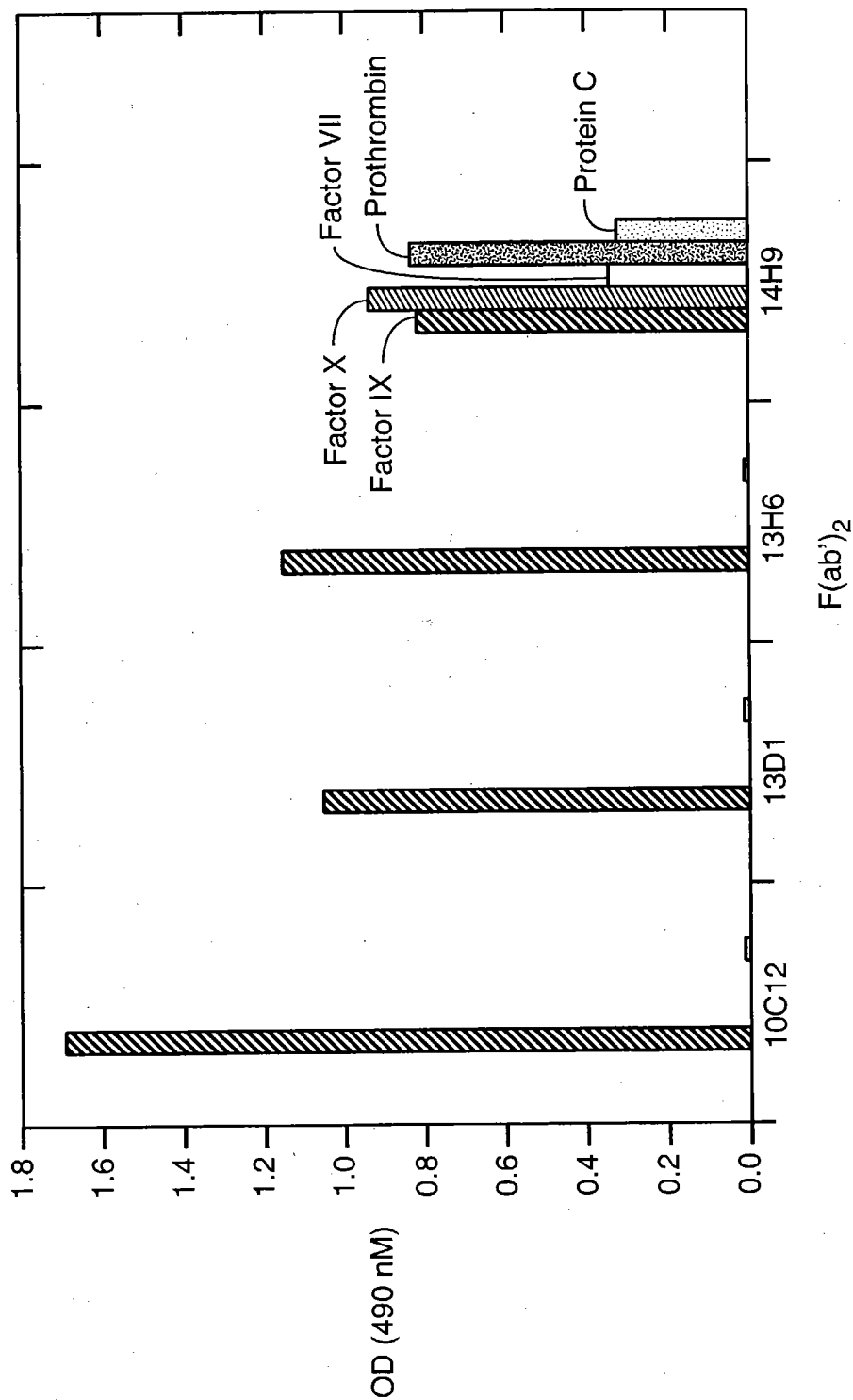
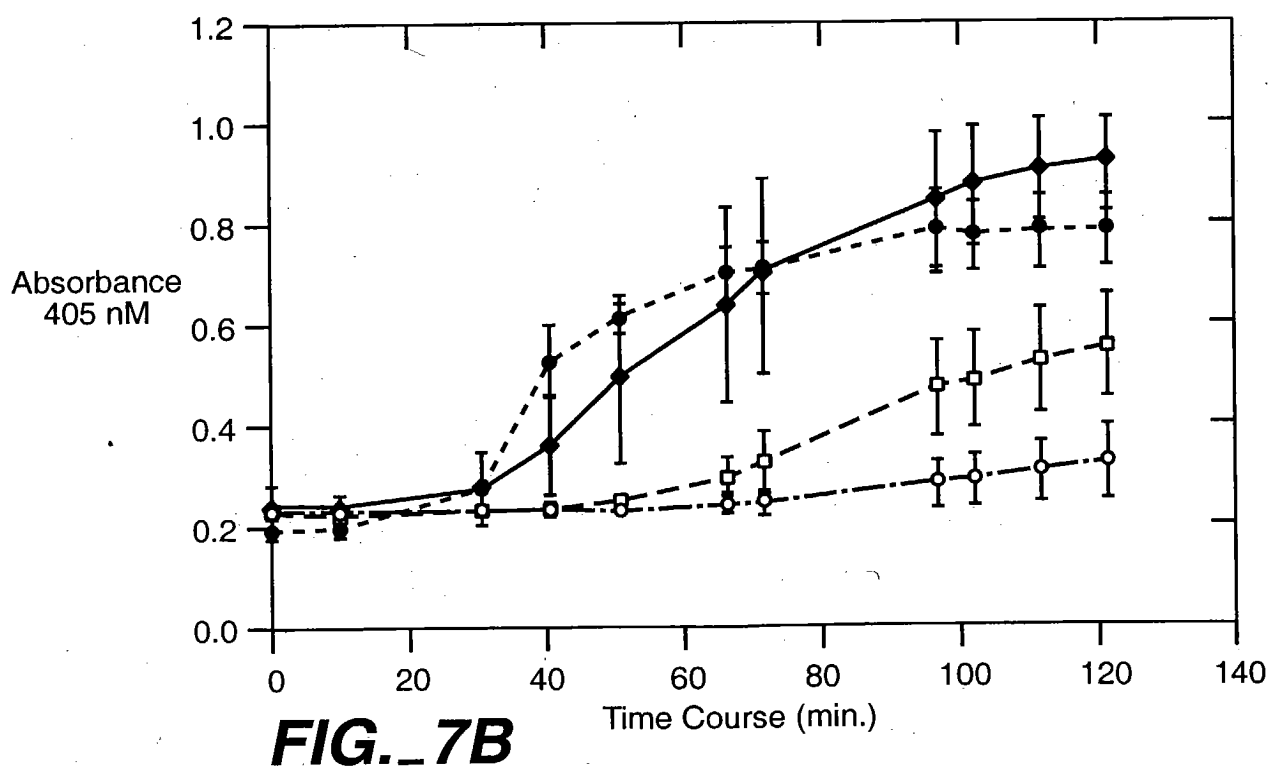
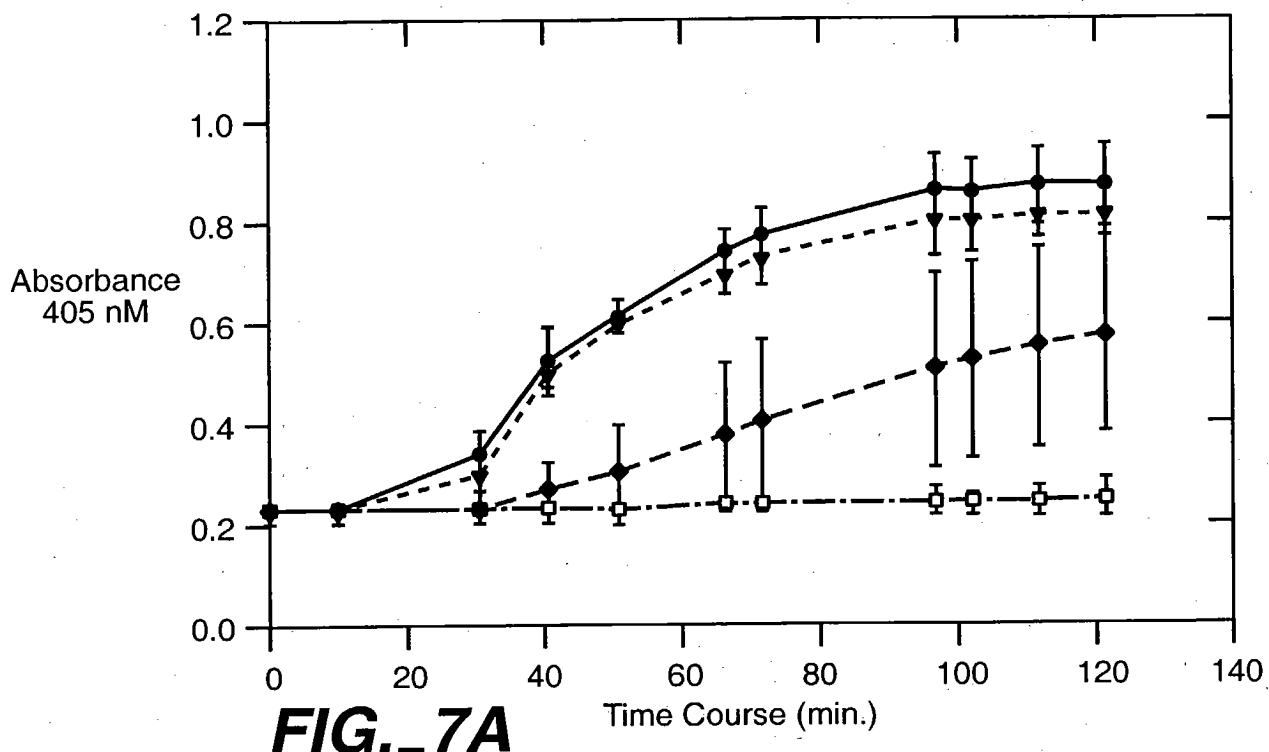
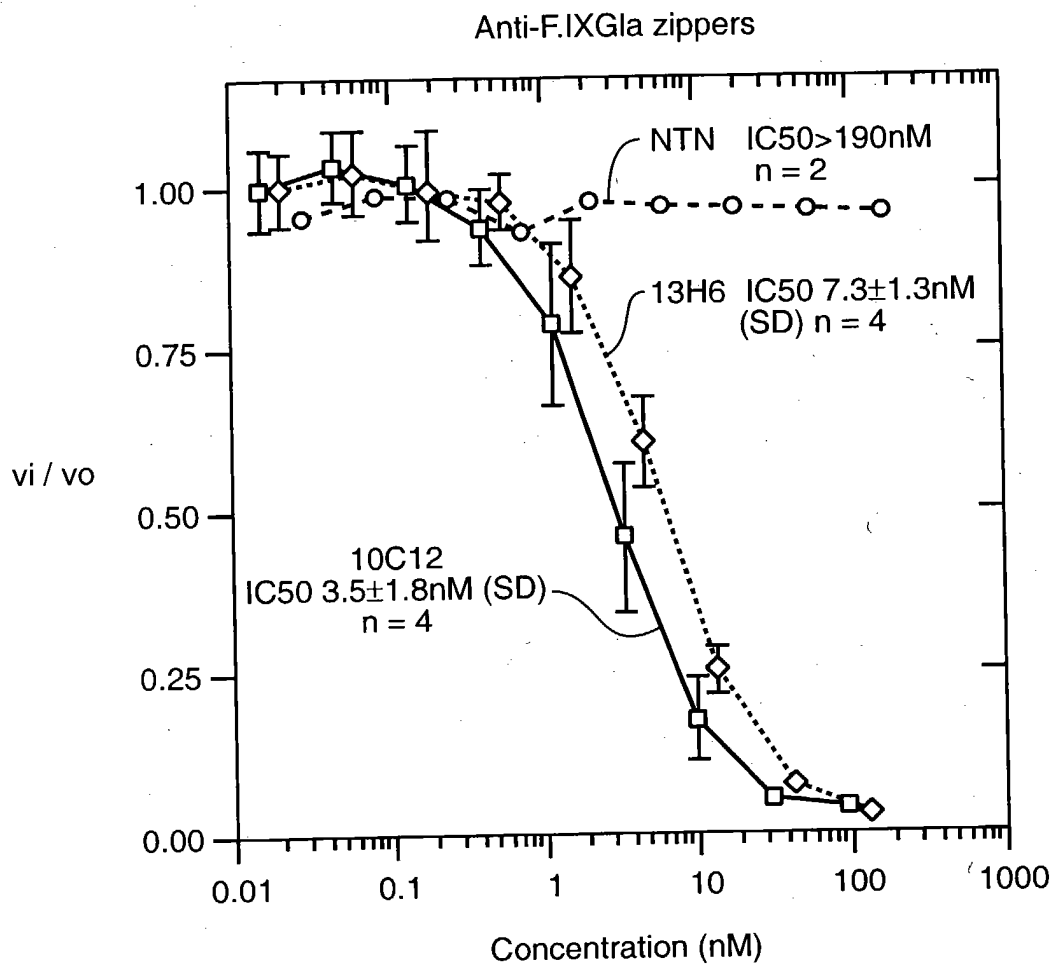


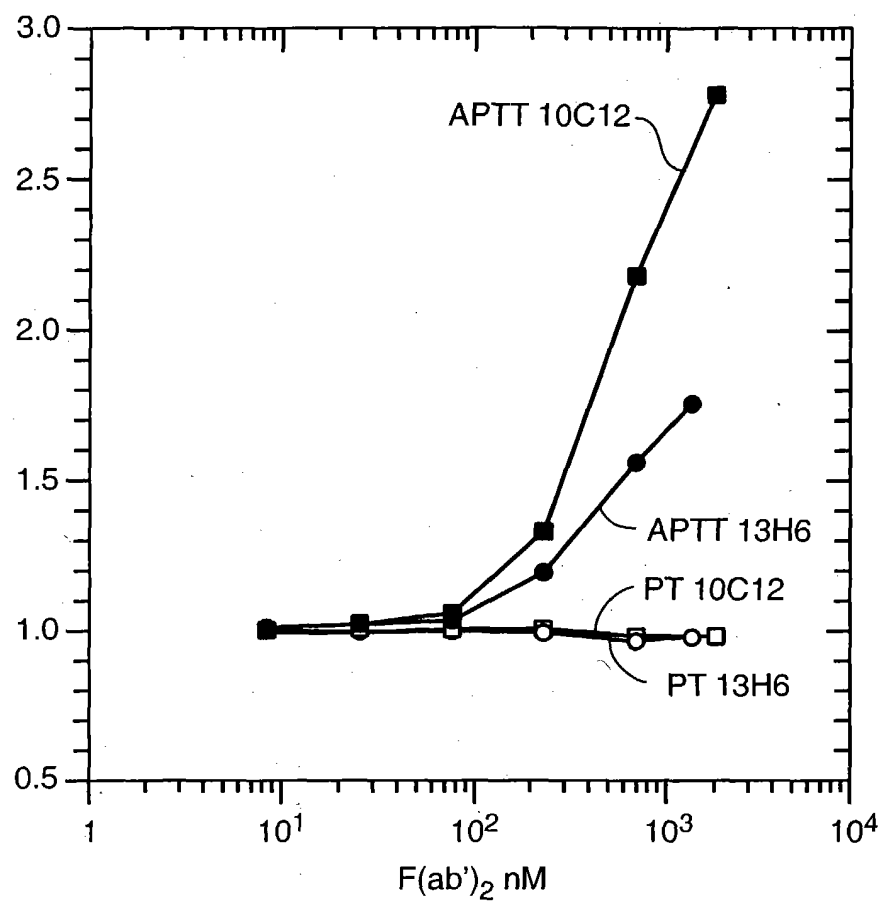
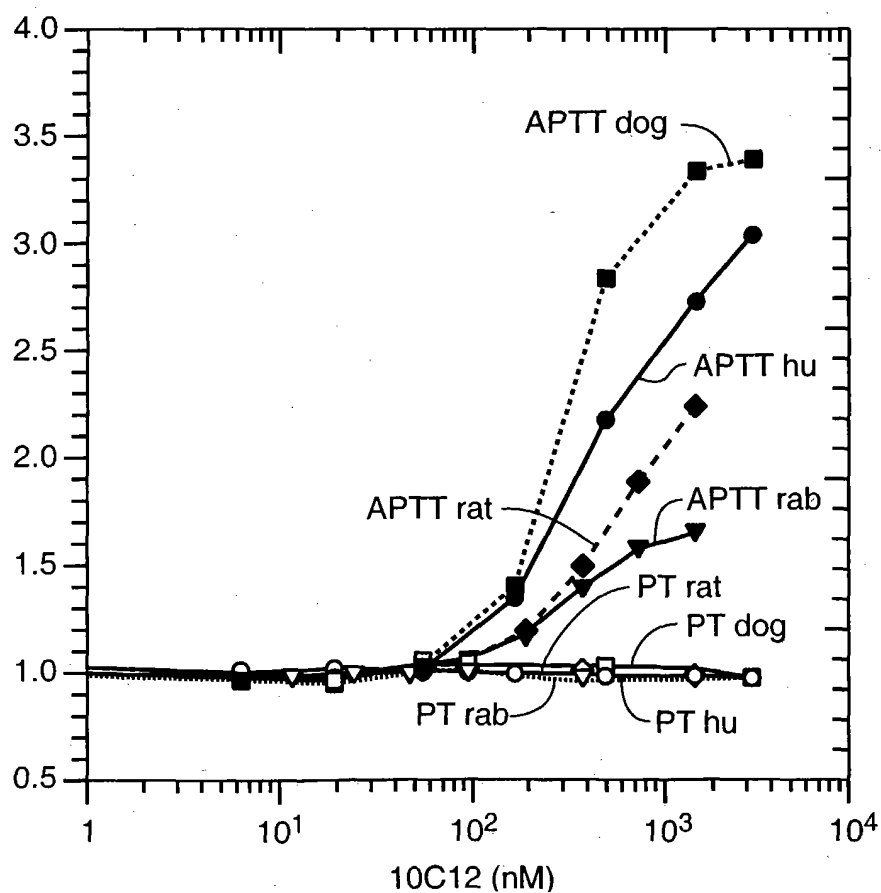
FIG. 6B

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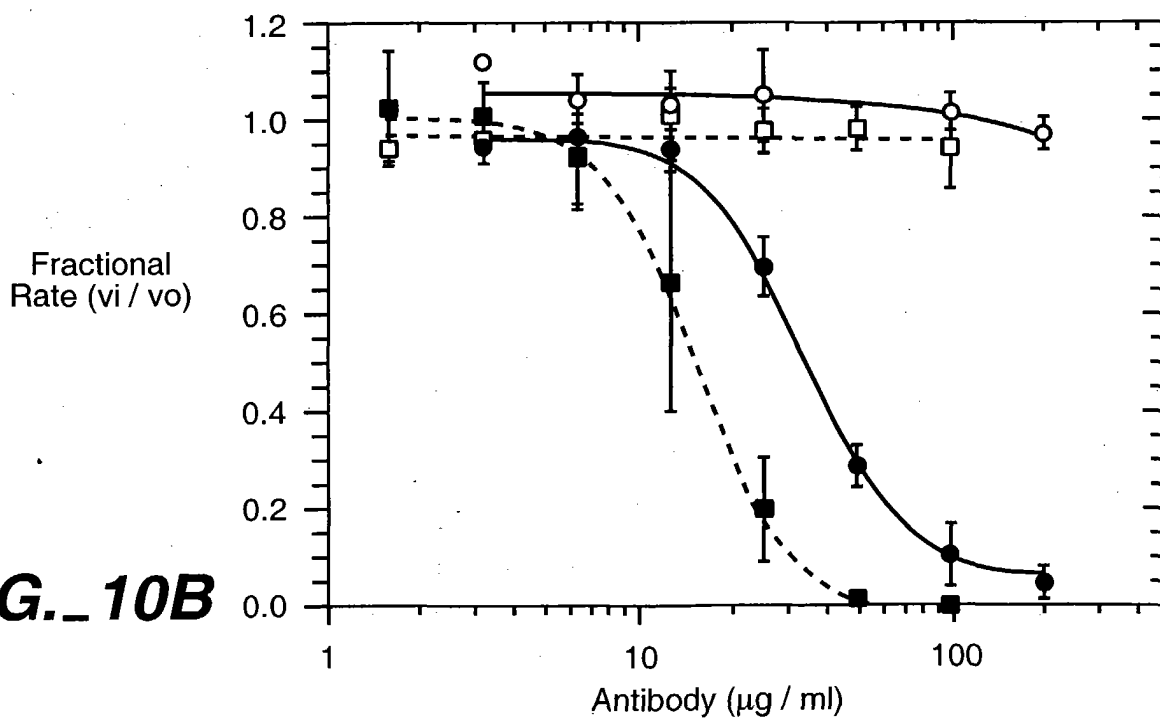
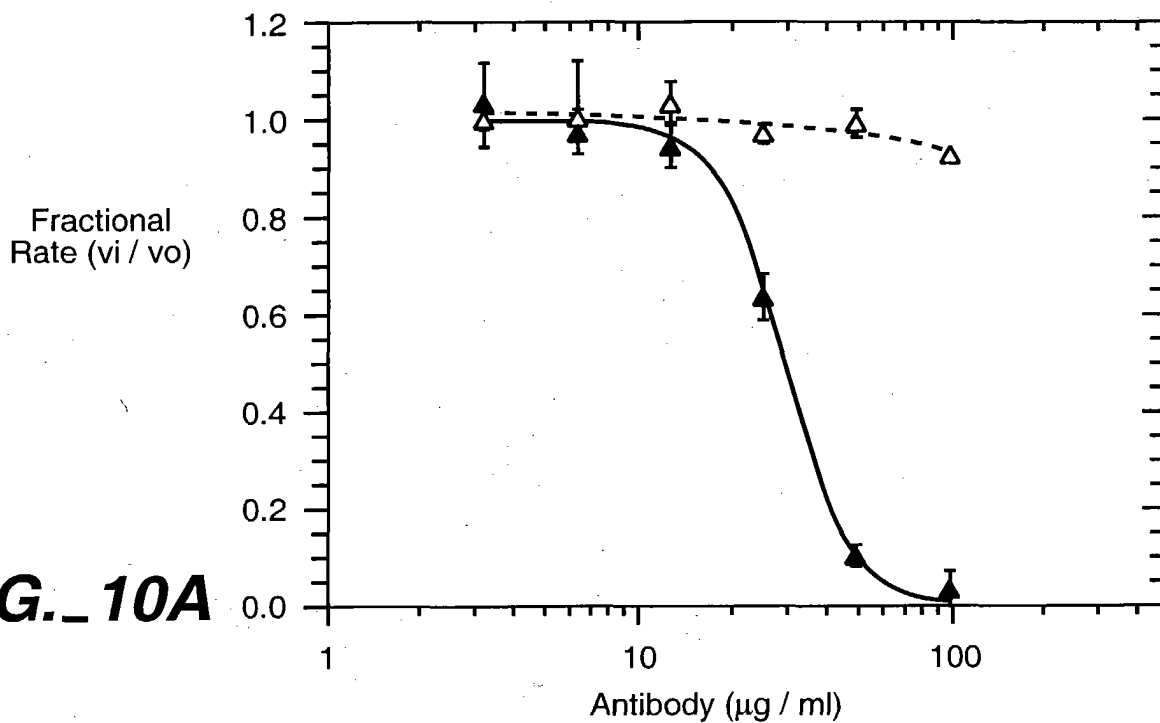


**FIG. 8**

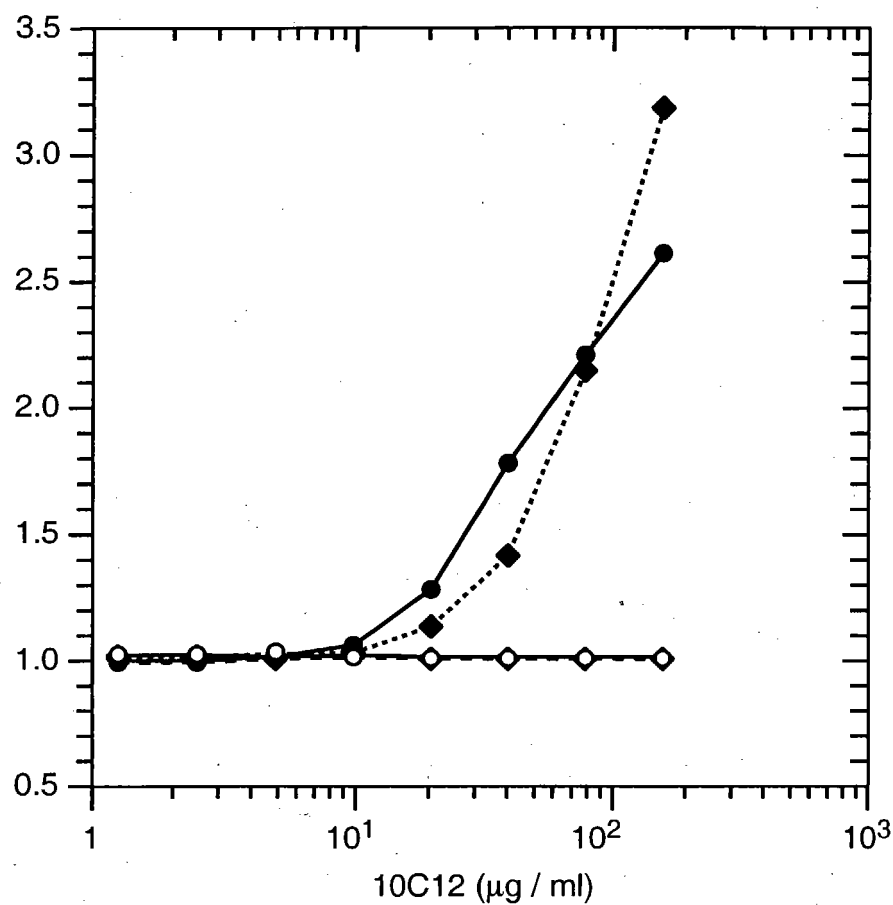
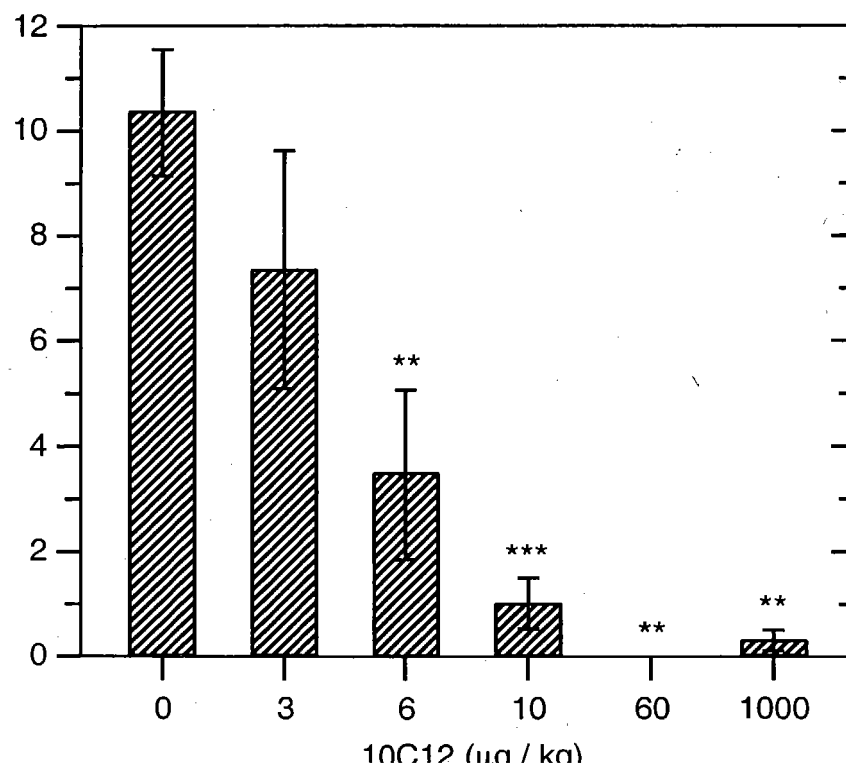
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x-Fold
Prolongation**FIG. 9A**x-Fold
Prolongation**FIG. 9B**

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x-Fold
Prolongation**FIG. 11****FIG. 12**Thrombosis
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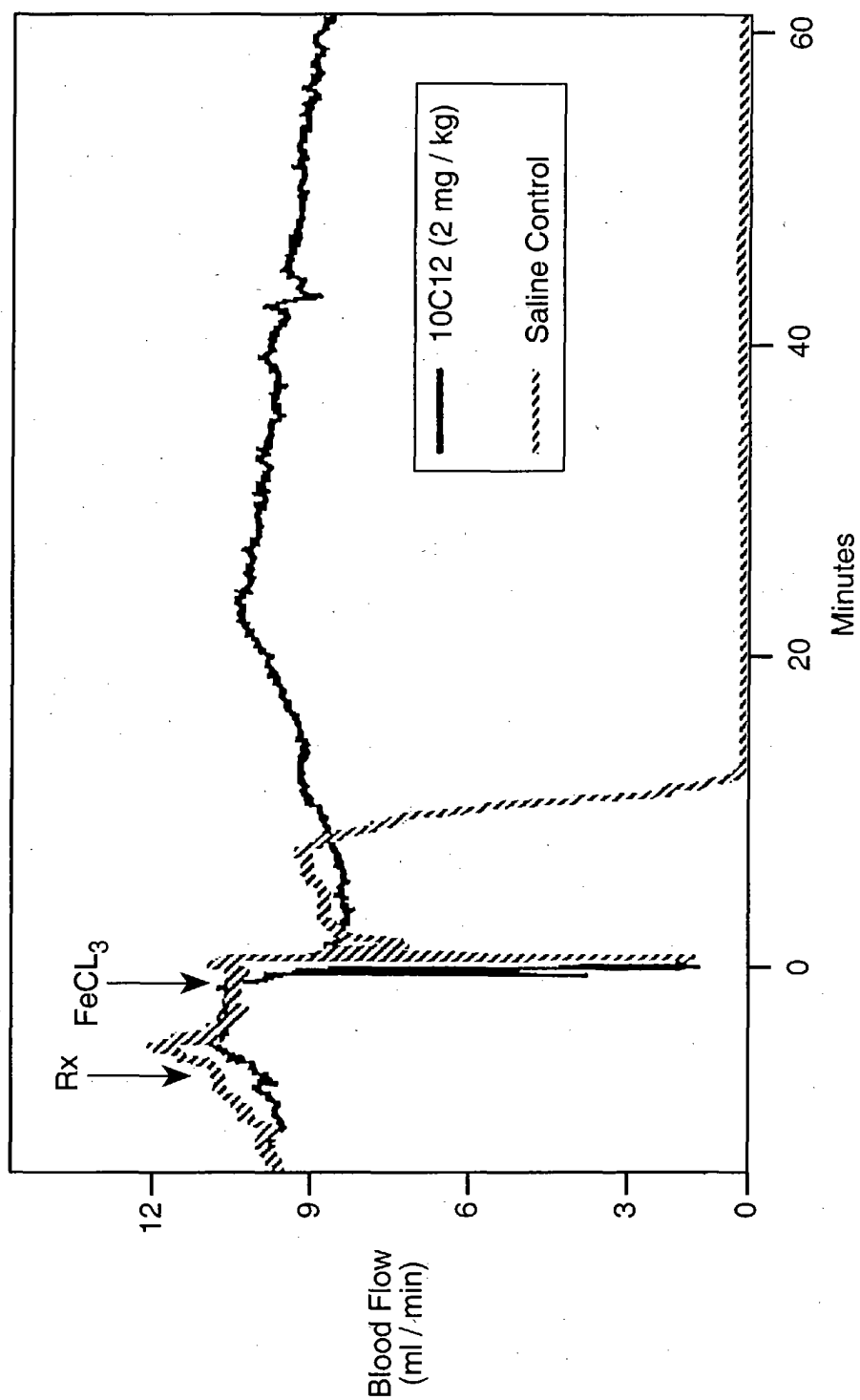


FIG. 13

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